

Remarks

Claim Objections

The examiner is thanked for allowing claim 4 subject to rewriting. Applicant has therefore included the limitations of claims 3 and 4 in claim 1 so that the limitations of claim 4 and the preceding claims are now all in claim 1. In addition claim 1 has been amended to make the relative locations of the various regions clearer.

Claim Rejections – 35 USC 102

Claims 1, 3, 5 were rejected under 35 USC 102 over Zhang.

The examiner states that Zhang can be considered to have a p-buried region since there is no recitation of a different dopant concentration. It is respectfully submitted that when two elements are positively claimed, claim interpretation requires that both elements be present in the cited art under a 102 rejection.

In any event, claim 1 has been amended to include the limitations of claims 3 and 4 as suggested by the examiner and claim 3 has been canceled. Thus claim 1 should now be allowable and claim 5 has been amended to depend from claim 1 and should therefore now also be allowable.

Claim Rejections – 35 USC 103

Claims 1-3 and 6-14 were rejected under 35 USC 103 over Wang in view of MacPherson.

As discussed above, claim 1 has been amended and claim 3 has been canceled. Since claim 1 is now allowable and the rest of the claims depend from claim 1, all of the remaining claims should now be allowable.

Claims 1-3 and 5-16 were rejected over Wang and MacPherson in view of Ker. As proposed by the examiner, claim 1 has been amended to include the limitations of claims 4 and 3, which are not taught or suggested by the cited art. Since the other remaining claims depend from claim 1, they should also now be allowable.

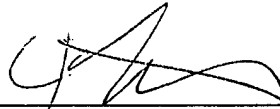
Replacement Drawings

Formal drawings are attached.

Early allowance of the claims is therefore respectfully requested.

Respectfully Submitted,

Dated: September 8, 2006

A handwritten signature in black ink, appearing to read 'J. Vollrath', is written over a horizontal line.

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